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Title

PTO/SB/50 (01-05)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE and to respond to a collection of information unless it displays a visid OMB control number.

ØSECUTE APPLICATIONS BEFORE THE USPTO I hereby revoke all previous powers of attorney given in the application identified in the attached statement under Practitioners associated with the Customer Number; OR Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used): Name Registration Name Registration Number Number as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b). Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to: 65563 The address associated with Customer Number: OR Individual Name Address City State Zip Country Telephone Email Assignee Name and Address: US Synthetic Corporation 1260 South 1600 West Orem, UT 84058 A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/98 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assigneo, and must identify the application in which this Power of Attorney is to be filed. SIGNATURE of Assignoe of Record signature and title is supplied below is authorized to act on behalf of the assignce. The individual viliosy Signature SEPTEMBER 2006 Date 29 N. Name Trent Butcher Telephone 801.235.9001

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Crist Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Counsel

General.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: <u>US Synthetic Corporation</u>		
Application No./Patent No.: 60/835,279	Filed/Issue Date: August 2, 2006	
	TION APPARATUS MADE FROM POLYCRYSTALLINE DIAMOND, SEPARATION APPARATUSES, AND METHODS OF USE	
US Synthetic Corporation	, a (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)	
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)	
states that it is: 1. the assignee of the entire right, title, and interest	est; or	
2. an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is%)		
in the patent application/patent identified above by vi	rtue of either:	
in the United States Patent and Trademark Offithereof is attached.	nt application/patent identified above. The assignment was recorded ice at Reel 018161, Frame 0901, or for which a copy	
OR B. A chain of title from the inventor(s), of the pate	nt application/patent identified above, to the current assignee as follows:	
4 From:	To:	
From: The document was recorded in the Unit		
Reel, Frame	, or for which a copy thereof is attached.	
	To:	
	ted States Patent and Trademark Office at, or for which a copy thereof is attached.	
Neel, Frame	, or for which a copy thereor is attached.	
3. From:	To:ted States Patent and Trademark Office at	
	, or for which a copy thereof is attached.	
Additional documents in the chain of title ar		
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.		
	original assignment document(s)) must be submitted to Assignment to record the assignment in the records of the USPTO. <u>See</u> MPEP	
The undersigned (whose title is supplied below) is au	uthorized to act on behalf of the assignee.	
Marm frui	October 13, 2006	
Signature	Date	
Marcus S. Simon. Reg. No.	50.258 206.621.1933	
Printed or Typed Nam	e Telephone Number	
Applicant's Attorney		
Title		

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



ASSIGNMENT

WHEREAS, I, Michael A. Vail (hereinafter referred to as ASSIGNOR), having a post office address of 366 South 800 East, Genola, Utah 84655, am the sole inventor of an invention entitled "SEPARATION DEVICE AND CHEMICAL REACTION APPARATUS MADE FROM POLYCRYSTALLINE DIAMOND, APPARATUSES INCLUDING SAME SUCH AS SEPARATION APPARATUSES, AND METHODS OF USE," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

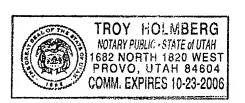
WHEREAS, US Synthetic Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a business address at 1260 South 1600 West, Orem, Utah 84058, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner for Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents

required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

August 1, 2006 Date	Muhael Wal
Date	Michael A. Vail
State of Utah	
County of Uta 4	SS.

I certify that I know or have satisfactory evidence that Michael A. Vail is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated Hug 1	,2006
Signature of Notary Public	- Hhly
Printed Name	Troy Holmberg
My appointment expires	10-23-06

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